	Application No.	Applicant(s)	
Notice of Allowability	09/766,305	SHIMIZU ET AL.	
	Examiner	Art Unit	·
	Emmanuel L. Moise	2136	
The MAILING DATE of this communication ap All claims being allowable, PROSECUTION ON THE MERITS I herewith (or previously mailed), a Notice of Allowance (PTOL-8 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	S (OR REMAINS) CLOSED in 5) or other appropriate commu RIGHTS. This application is si	this application. If not included nication will be mailed in due course. <b>THI</b>	S ative
1.   This communication is responsive to IDS received on Au	gust 02, 2004.		
2. The allowed claim(s) is/are <u>1-3</u> .			
3.  The drawings filed on 19 January 2001 are accepted by	the Examiner.		
<ul> <li>4.  Acknowledgment is made of a claim for foreign priority</li> <li>a)  All b)  Some* c)  None of the:</li> <li>1.  Certified copies of the priority documents ha</li> <li>2.  Certified copies of the priority documents ha</li> <li>3.  Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)).</li> <li>* Certified copies not received:</li> </ul>	ve been received. ve been received in Application	1 No	e
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	" of this communication to file MENT of this application.	a reply complying with the requirements	
5. A SUBSTITUTE OATH OR DECLARATION must be sub INFORMAL PATENT APPLICATION (PTO-152) which gi	mitted. Note the attached EXA ves reason(s) why the oath or	MINER'S AMENDMENT or NOTICE OF declaration is deficient.	
<ol> <li>CORRECTED DRAWINGS ( as "replacement sheets") me</li> <li>(a) including changes required by the Notice of Draftspe</li> <li>1) hereto or 2) to Paper No./Mail Date</li> <li>(b) including changes required by the attached Examine Paper No./Mail Date</li> <li>Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in</li> </ol>	rson's Patent Drawing Review  r's Amendment / Comment or  1.84(c)) should be written on the	in the Office action of education of education and the drawings in the front (not the back) of	
7. DEPOSIT OF and/or INFORMATION about the dep attached Examiner's comment regarding REQUIREMEN	OSIT OF BIOLOGICAL MATE FOR THE DEPOSIT OF BIO	RIAL must be submitted. Note the LOGICAL MATERIAL.	
<ul> <li>Attachment(s)</li> <li>1. ☑ Notice of References Cited (PTO-892)</li> <li>2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB Paper No./Mail Date Jan 19, 2001</li> <li>4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ul>	6. ☐ Interview Su Paper No./N /08), 7. ☐ Examiner's A	ormal Patent Application (PTO-152)  mmary (PTO-413), Mail Date Amendment/Comment  Statement of Reasons for Allowance .  Emmanuel L. Moise Primary Examiner Art Unit: 2136	

U.S. Patent and Trademark Office PTOL-37 (Rev. 1-04) Art Unit: 2136

1. The following is an examiner's statement of reasons for allowance:

As per claims 1-3, prior art of record does not teach or fairly suggest a qualification authentication method using variable authentication information comprising a first-time registration phase and an authentication phase, wherein the person to be authenticated (including apparatus) generates a random number for each authentication phase, calculates this time authentication data, next time authentication data, and intermediate parameter for certification of authentication using a one-way function, based on the random number, a user ID and password, associates these data using the exclusive OR operation to encrypt these data, and transmits the exclusive OR for this time authentication and the exclusive OR for next time authentication together with the own user ID of the person to be authenticated to an authenticating person (including apparatus such as a server).

2. Moreover, prior art of record does not teach or fairly suggest that the authenticating person receives the transmitted information from the person to be authenticated, calculates a validity confirmation parameter using the one-way function based on these information and the authentication parameter registered in the previous authentication phase, compares the validity information parameter with the authentication parameter registered in the previous authentication phase, and if these agree with each other, judges that this authentication is approved, and registers the decoded next time authentication data as the next time authentication parameter.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

Application/Control Number: 09/766,305

Art Unit: 2136

Page 3

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

6,275,941 (Saito et al.)

6,675,208 (Rai et al.)

6,751,733 (Nakamura et al.)

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Emmanuel L. Moise whose telephone number is (703)305-9763. The examiner can normally be reached on M-W (9:30-6:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz R. Sheikh can be reached on (703)305-9648. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Emmanuel L. Moise Primary Examiner Art Unit: 2136

Art Unit 2136